

Name : **C. KAUSHIK**
 Designation : Assistant Professor
 Department : Electronics & Communication Engineering
 Mail ID : kaushik_c@vnrvjiet.in
 Experience (in years): 8 years Teaching: 6 years
 Research: 1 year Others (if any, specify): 1 year



1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph.D	Pursuing	Wireless Communication
2.	Master of Science (USA)	2016	Telecommunication Engg.
3.	B.Tech.	2014	ECE
4.	Secondary (10+2)	2010	MPC
5.	10 th	2008	

2. Teaching and Learning:

- 2.1. Teaching Interests: Signals & Systems, Communication Systems, Probability Theory & Random Processes, Switching Theory & Logic Design, Digital Signal Processing, Computer Networks, Wireless Communication, Cellular & Mobile Communication, Adhoc Wireless Networks, Wireless Networks & Systems
- 2.2. Novel Teaching & Learning Techniques adopted: Power Point Presentation, Videos, Group Discussion, Quiz, WIT & WIL, Lab Protocol
- 2.3. Involvement in curriculum updating / Design: Updating the syllabus of various subjects like Computer Networks, Wireless Communication

3. Co-curricular and Extra-Curricular Activities:

- 3.1. Interests and Hobbies: Reading books, Browsing Internet & listening to music
- 3.2. CCA/ECA Organized:
- 3.3. CCA/ECA participated:
- 3.4. Counseling and Mentoring Activity: Mentoring IInd B.Tech students
- 3.5. Committees involved in:
 Department level: Coordinator for Certificate courses
 Institute Level: Nil

4. Conference / Workshop / Seminar / Guest Lectures:

- 4.1. Conducted: 4
- 4.2. Attended:
- Faculty Development Programme (FDP) on “Recent Trends in Signal Processing and its Applications” from 22/06/2017 to 01/07/2017 at VNRVJIET. Organized by Electronics & ICT Academy, NIT, Warangal.
 - FDP on “Instructional Design & Delivery Systems” from 11/12/2017 to 16/12/2017 at VNRVJIET. Organized by NITTTR, Chennai.
 - 5th National Conference on e-Learning and e-Learning Technologies (ELELTECH India 2017) during August 3-4, 2017 at JNTU-Hyderabad. Organized by C-DAC in collaboration with Jawaharlal Nehru Technological University Hyderabad (JNTUH).
 - FDP on Introduction to System Design and IOT applications using Texas Instruments Platforms from 26/02/2018 to 28/02/2018 at VNRVJIET. Organized by EdGate Technologies.
 - FDP on “System Design Aspects in IoT” from 26/06/2018 to 02/07/2018 at JNTUH. Organised by Electronics & ICT Academy, NIT, Warangal.
 - Workshop on “Process Oriented Guided Inquiry Learning (POGIL)” from 26/07/2018 to 03/08/2018 at VNRVJIET. Organised by CET, Dept. of H&S, VNRVJIET.

- Workshop on “IoT and Drones” on 26/01/2019 and 27/01/2019 at VNRVJIET.Organised by Leading India AI.
- FDP on “Antenna Design for EMC Applications” from 28/01/2019 to 02/02/2019 at GITAM University, Visakhapatnam. Organised by Electronics & ICT Academy, NIT, Warangal
- International Conference on Intelligent Computing and Control Systems (ICICCS) during 15-17, May 2019 at Vaigai College of Engineering, Madurai.
- International Conference on Communications, Signal Processing and VLSI (IC2SV 2019) during October 23-24, 2019 at NIT-Warangal.
- National Conference on Advances in Communication Technologies (NCACT 2019) during 13-14, December 2019 at GITAM University, Vizag.
- 2nd International Conference on Electronics and Sustainable Communication Systems (ICESC 2021), during 04-06, August 2021 at Hindusthan Institute of Technology Coimbatore, India.
- 2nd International Conference on Advances in Computer Engineering and Communication System (ICACECS-2021), during 13-14, August 2021 at VNRVJIET
- 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC 2022), during 17-19, August 2022 at Hindusthan Institute of Technology Coimbatore, India.
- 4th International Conference on Inventive Research in Computing Applications (ICIRCA 2022), during 21-23, September 2022 at RVS College of Engineering and Technology, India.
- 13th International Conference on Computing, Communication and Networking Technologies (ICCCNT) during 3-5, October 2022 at IIT, Delhi India.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles/Chapters published in Books: 1

- IOT Based Domestic Aid Using Computer Vision for Specially Abled Persons; Lecture Notes in Electrical Engineering, Published in: Advances in Communications, Signal Processing, and VLSI; Print ISBN: 978-981-334-057-2; DOI: 10.1007/978-981-33-4058-9_9

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided:

a) UG: 16

b) PG: 5

5.5. Research Interests: Wireless Communication and Networking

5.6. Ph.D students:

a) Enrolled: Nil

b) Submitted: Nil

c) Awarded: Nil

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International

1.	Image Based Street Light Block Out Monitoring	ARNP Journal of Engineering and Applied Sciences Vol. 13, No. 14	ISSN 1819-6608	Scopus Journal	International July 2018
2.	Signal Processing Techniques for Removal of Various Artifacts from Obstructive Sleep Apnea Signals	International Journal of Innovative Technology and Exploring Engineering (IJTEE) Volume-8, Issue-12	ISSN: 2278-3075	Scopus Indexed Journal	International October 2019
3.	Various Real time Chat bots and their Applications in Human life	International Journal of Recent Technology and Engineering (JRTE) Volume-8, Issue-4	ISSN: 2277-3878	Scopus Indexed Journal	International November 2019
4.	FPGA based On-Chip Phase Measurement System	International Journal of Innovative Technology and Exploring Engineering (IJTEE) Volume-9, Issue-2S3	ISSN: 2278-3075	Scopus Indexed Journal	International December 2019
5.	Network Intrusion Detection Using Machine Learning	International Journal of Analytical and Experimental Modal	ISSN: 0886-9367		International April 2020

		Analysis (IJAEMA)			
6.	Review on Various Approaches of Automatic Drip Irrigation Systems for Smart Agriculture	Journal of Electronics and Informatics Vol. 3, Issue-4	ISSN: 2582-3825	Google Scholar Indexed Journal	International December 2021

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/Seminars	National/ International	Period
1.	Schedulability Analysis For Hard Network Lifetime Wireless Sensor Networks Using Ns-2	International Conference on Electrical, Electronics & Communication Engineering (ICEECE), Bangalore	International	June 2014
2.	A Comparative Study of Epileptic Seizure Detection Framework using SVM and ELM	International Conference on Intelligent Computing and Control Systems	International	May 2019
3.	IOT Based Domestic Aid Using Computer Vision for Specially Abled Persons	International Conference on Communications, Signal Processing and VLSI (IC2SV 2019)	International	October 2019
4.	FPGA based On-Chip Phase Measurement System	National Conference on Advances In Communication Technologies (NCACT 2019)	International	December 2019
5.	Segmentation of Terrain Classes from Satellite Images using Modified U-Net Algorithm	2nd International Conference on Electronics and Sustainable Communication Systems (ICESC 2021)	International	August 2021
6.	Automatic Turn Indicating System Using Smart Turn Signal Circuit in Motorcycles	2nd International Conference on Electronics and Sustainable Communication Systems (ICESC 2021)	International	August 2021
7.	Mitigation of COVID-19 by means of face mask and social distancing	2nd International Conference on Advances in Computer Engineering and	International	August 2021

	detection using OpenCV and YOLOV2	Communication System (ICACECS-2021)		
8.	Network Security with Network Intrusion Detection System Using Machine Learning Deployed in a Cloud Infrastructure	3rd International Conference on Electronics and Sustainable Communication Systems (ICESC 2022)	International	August 2022
9.	Energy Optimization and Optimal Routing Protocol in Wireless Sensor Networks	4 th International Conference on Inventive Research in Computing Applications (ICIRCA 2022)	International	September 2022
10.	Leaf Disease Detection Using Raspberry Pi	13th International Conference on Computing, Communication and Networking Technologies (ICCCNT 2022)	International	October 2022

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
1.	Testing and Design Validation of IoT Products used in the Smart Home Automation projects of Blaze Automation	Blaze Automation Services Pvt Ltd	1 year	Rs.6,00,000/-	Ongoing

6. Awards / Honors received:

7. Motto: The race for excellence has no finish line